

Application for Federal Assistance SF-424

<b>* 1. Type of Submission:</b> <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application		<b>* 2. Type of Application:</b> <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision		<b>* If Revision, select appropriate letter(s):</b> <input type="text"/> <b>* Other (Specify)</b> <input type="text"/>	
<b>* 3. Date Received:</b> <input type="text"/>		<b>4. Applicant Identifier:</b> <input type="text"/>			
<b>5a. Federal Entity Identifier:</b> <input type="text"/>			<b>* 5b. Federal Award Identifier:</b> <input type="text"/>		
<b>State Use Only:</b>					
<b>6. Date Received by State:</b> <input type="text"/>		<b>7. State Application Identifier:</b> <input type="text"/>			
<b>8. APPLICANT INFORMATION:</b>					
<b>* a. Legal Name:</b> Long Tom Watershed Council					
<b>* b. Employer/Taxpayer Identification Number (EIN/TIN):</b> 20-8049325			<b>* c. Organizational DUNS:</b> 140137006		
<b>d. Address:</b>					
<b>* Street1:</b>		751 S. Danebo Ave.			
<b>Street2:</b>		<input type="text"/>			
<b>* City:</b>		Eugene			
<b>County:</b>		Lane			
<b>* State:</b>		OR			
<b>Province:</b>		<input type="text"/>			
<b>* Country:</b>		USA: UNITED STATES			
<b>* Zip / Postal Code:</b>		97402			
<b>e. Organizational Unit:</b>					
<b>Department Name:</b> <input type="text"/>			<b>Division Name:</b> <input type="text"/>		
<b>f. Name and contact information of person to be contacted on matters involving this application:</b>					
<b>Prefix:</b>		<b>* First Name:</b> Dana			
<b>Middle Name:</b>		<input type="text"/>			
<b>* Last Name:</b>		Dedrick			
<b>Suffix:</b>		<input type="text"/>			
<b>Title:</b>		Watershed Coordinator			
<b>Organizational Affiliation:</b> <input type="text"/>					
<b>* Telephone Number:</b>		541-338-7055		<b>Fax Number:</b> <input type="text"/>	
<b>* Email:</b>		coordinator@longtom.org			

**Application for Federal Assistance SF-424**

**9. Type of Applicant 1: Select Applicant Type:**

N: Nonprofit without 501C3 IRS Status (Other than Institution of Higher Education)

**Type of Applicant 2: Select Applicant Type:**

**Type of Applicant 3: Select Applicant Type:**

**\* Other (specify):**

**\* 10. Name of Federal Agency:**

Environmental Protection Agency

**11. Catalog of Federal Domestic Assistance Number:**

66.951

**CFDA Title:**

Environmental Education Grants

**\* 12. Funding Opportunity Number:**

EPA-EE-11-02

**\* Title:**

Environmental Education Regional Grants -- Solicitation Notice for 2011

**13. Competition Identification Number:**

**Title:**

**14. Areas Affected by Project (Cities, Counties, States, etc.):**

City of Eugene, OR and Lane County, OR

**\* 15. Descriptive Title of Applicant's Project:**

Amazon Creek Toxics Education and Action

Attach supporting documents as specified in agency instructions.

Application for Federal Assistance SF-424

16. Congressional Districts Of:

\* a. Applicant 4

\* b. Program/Project 4

Attach an additional list of Program/Project Congressional Districts if needed.

17. Proposed Project:

\* a. Start Date: 09/01/2011

\* b. End Date: 08/30/2013

18. Estimated Funding (\$):

\* a. Federal \$47,000

\* b. Applicant \$17,568

\* c. State

\* d. Local

\* e. Other

\* f. Program Income

\* g. TOTAL \$64,568

\* 19. Is Application Subject to Review By State Under Executive Order 12372 Process?

☐ a. This application was made available to the State under the Executive Order 12372 Process for review on

☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.

☒ c. Program is not covered by E.O. 12372.

\* 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.) Applicant Federal Debt Delinquency Explanation

☐ Yes ☒ No

21. \*By signing this application, I certify (1) to the statements contained in the list of certifications\*\* and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances\*\* and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)

☒ \*\* I AGREE

\*\* The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: \* First Name: Dana

Middle Name:

\* Last Name: Dedrick

Suffix:

\* Title: Watershed Coordinator

\* Telephone Number: 541-338-7055

Fax Number:

\* Email: coordinator@longlom.org

\* Signature of Authorized Representative:

\* Date Signed: 08/03/2011



# BUDGET INFORMATION - Non-Construction Programs

## SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised	
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)
1. Environmental	66.951	\$	\$	\$ 47,000	\$ 17,568
2.					
3.					
4.					
5. Totals		\$	\$	\$47,000	\$ 17,568

## SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY			
	(1)	(2)	(3)	(4)
a. Personnel	\$36,217	\$17,176		
b. Fringe Benefits	\$6,285	\$392		
c. Travel	\$0	\$0		
d. Equipment	\$0	\$0		
e. Supplies	\$0	\$0		
f. Contractual	\$0	\$0		
g. Construction	\$0	\$0		
h. Other	\$225	\$0		
i. Total Direct Charges (sum of 6a-6h)	\$42,727	\$17,568		
j. Indirect Charges	\$4,273	\$0		
k. TOTALS (sum of 6i and 6j)	\$47,000	\$ 17,568	\$	\$
7. Program Income	\$	\$	\$	\$

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**ASSURANCES - NON-CONSTRUCTION PROGRAMS**

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**


NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.</li> <li>2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.</li> <li>3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.</li> <li>4. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.</li> <li>5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. 4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).</li> <li>6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. 1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), which prohibits discrimination on the</li> </ol> | <ol style="list-style-type: none"> <li>basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. 6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. 290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VII of the Civil Rights Act of 1968 (42 U.S.C. 3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.</li> <li>7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.</li> <li>8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. 1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.</li> </ol> |
|--|---|

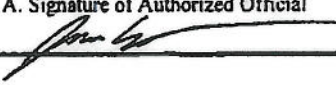


<p>9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. 276a to 276a-7), the Copeland Act (40 U.S.C. 276c and 18 U.S.C. 874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-333), regarding labor standards for federally-assisted construction subagreement.</p> <p>10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.</p> <p>11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in flood plains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. 1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. 7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).</p>	<p>12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. 1271 et seq.) Related to protecting components or potential components of the national wild and scenic rivers system.</p> <p>13. Will assist the awarding agency in assuring compliance will Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. 469a-1 et seq.).</p> <p>14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.</p> <p>15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. 2131 et seq.) Pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.</p> <p>16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. 4801 et seq.) Which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.</p> <p>17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."</p> <p>18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.</p>
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<p>SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL</p> 	<p>TITLE</p> <p>URBAN WATERSHED REGISTRATION SPECIALIST</p>	
<p>APPLICANT ORGANIZATION</p> <p>Long Tom Watershed Council</p>	<p>DATE SUBMITTED</p> <p>8/1/2011</p>	



**Preaward Compliance Review Report for  
All Applicants and Recipients Requesting EPA Financial Assistance**  
*Note: Read instructions on other side before completing form.*

<b>I. Applicant/Recipient (Name, Address, State, Zip Code).</b> <b>Long Tom Watershed Council, 751 S. Danebo Ave. Eugene, OR 97402</b>	<b>DUNS No.</b> <b>140137006</b>
<b>II. Is the applicant currently receiving EPA assistance?</b> <b>No</b>	
<b>III. List all civil rights lawsuits and administrative complaints pending against the applicant/recipient that allege discrimination based on race, color, national origin, sex, age, or disability. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7. See instructions on reverse side.)</b> <p align="center"><b>none</b></p>	
<b>IV. List all civil rights lawsuits and administrative complaints decided against the applicant/recipient within the last year that allege discrimination based on race, color, national origin, sex, age, or disability and enclose a copy of all decisions. Please describe all corrective action taken. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7. See instructions on reverse side.)</b> <p align="center"><b>none</b></p>	
<b>V. List all civil rights compliance reviews of the applicant/recipient conducted by any agency within the last two years and enclose a copy of the review and any decisions, orders, or agreements based on the review. Please describe any corrective action taken. (40 C.F.R. § 7.80(c)(3))</b> <p align="center"><b>none</b></p>	
<b>VI. Is the applicant requesting EPA assistance for new construction? If no, proceed to VII; if yes, answer (a) and/or (b) below.</b> <p align="center">Yes                      <input checked="" type="checkbox"/> No</p>	
<b>a. If the grant is for new construction, will all new facilities or alterations to existing facilities be designed and constructed to be readily accessible to and usable by persons with disabilities? If yes, proceed to VII; if no, proceed to VI(b).</b> Yes                      No <b>b. If the grant is for new construction and the new facilities or alterations to existing facilities will not be readily accessible to and usable by persons with disabilities, explain how a regulatory exception (40 C.F.R. § 7.70) applies.</b> Yes                      No	
<b>VII.* Does the applicant/recipient provide initial and continuing notice that it does not discriminate on the basis of race, color, national origin, sex, age, or disability in its programs or activities? (40 C.F.R. § 5.140 and § 7.95)</b> <input checked="" type="checkbox"/> Yes                      No <b>a. Do the methods of notice accommodate those with impaired vision or hearing?</b> Yes <input checked="" type="checkbox"/> No <b>b. Is the notice posted in a prominent place in the applicant's offices or facilities or, for education programs and activities, in appropriate periodicals and other written communications?</b> Yes <input checked="" type="checkbox"/> No <b>c. Does the notice identify a designated civil rights coordinator?</b> Yes <input checked="" type="checkbox"/> No	
<b>VIII.* Does the applicant/recipient maintain demographic data on the race, color, national origin, sex, age, or handicap of the population it serves? (40 C.F.R. § 7.85(a))</b> Yes <input checked="" type="checkbox"/> No	
<b>IX.* Does the applicant/recipient have a policy/procedure for providing access to services for persons with limited English proficiency? (40 C.F.R. Part 7, E.O. 13166)</b> No <input checked="" type="checkbox"/> Yes	
<b>X.* If the applicant/recipient is an education program or activity, or has 15 or more employees, has it designated an employee to coordinate its compliance with 40 C.F.R. Parts 5 and 7? Provide the name, title, position, mailing address, e-mail address, fax number, and telephone number of the designated coordinator.</b> No <input checked="" type="checkbox"/> Yes	
<b>XI.* If the applicant/recipient is an education program or activity, or has 15 or more employees, has it adopted grievance procedures that assure the prompt and fair resolution of complaints that allege a violation of 40 C.F.R. Parts 5 and 7? Provide a legal citation or Internet address for, or a copy of, the procedures.</b> Yes <input checked="" type="checkbox"/> No	
<b>For the Applicant/Recipient</b>	
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. I assure that I will fully comply with all applicable civil rights statutes and EPA regulations.	
<b>A. Signature of Authorized Official</b> 	<b>B. Title of Authorized Official</b> Urban Watershed Restoration Specialist
<b>C. Date</b> 8/11/2011	
<b>For the U.S. Environmental Protection Agency</b>	
I have reviewed the information provided by the applicant/recipient and hereby certify that the applicant/recipient has submitted all preaward compliance information required by 40 C.F.R. Parts 5 and 7; that based on the information submitted, this application satisfies the preaward provisions of 40 C.F.R. Parts 5 and 7; and that the applicant has given assurance that it will fully comply with all applicable civil rights statutes and EPA regulations.	
<b>A. Signature of Authorized EPA Official</b>	<b>B. Title of Authorized EPA Official</b>
<b>C. Date</b>	
See ** note on reverse side	



INTERNAL REVENUE SERVICE  
P. O. BOX 2508  
CINCINNATI, OH 45201

*Copy for Council*  
DEPARTMENT OF THE TREASURY

Date:

**JUL 18 2007**

LONG TOM WATERSHED COUNCIL  
C/O DANA ERICKSON  
751 S DANEBE AVE  
EUGENE, OR 97402

Employer Identification Number:  
20-8049325

DLN:

17053183031037

Contact Person:

NANCY L HEAGNEY

ID# 31306

Contact Telephone Number:  
(877) 829-5500

Accounting Period Ending:  
JUNE 30

Public Charity Status:  
170(b)(1)(A)(vi)

Form 990 Required:  
YES

Effective Date of Exemption:  
FEBRUARY 2, 2007

Contribution Deductibility:  
YES

Advance Ruling Ending Date:

JUNE 30, 2011 *(See pg. 2)*

*permanent status as of 8-17-09*

Dear Applicant:

We are pleased to inform you that upon review of your application for tax exempt status we have determined that you are exempt from Federal income tax under section 501(c)(3) of the Internal Revenue Code. Contributions to you are deductible under section 170 of the Code. You are also qualified to receive tax deductible bequests, devises, transfers or gifts under section 2055, 2106 or 2522 of the Code. Because this letter could help resolve any questions regarding your exempt status, you should keep it in your permanent records.

Organizations exempt under section 501(c)(3) of the Code are further classified as either public charities or private foundations. During your advance ruling period, you will be treated as a public charity. Your advance ruling period begins with the effective date of your exemption and ends with advance ruling ending date shown in the heading of the letter.

Shortly before the end of your advance ruling period, we will send you Form 8734, Support Schedule for Advance Ruling Period. You will have 90 days after the end of your advance ruling period to return the completed form. We will then notify you, in writing, about your public charity status.

Please see enclosed Information for Exempt Organizations Under Section 501(c)(3) for some helpful information about your responsibilities as an exempt organization.

Letter 1045 (DO/CG)





## Amazon Creek Toxics Education & Action

The education companion to the Amazon Pesticide Stewardship Partnership (Amazon PSP)  
Long Tom Watershed Council

### Project Summary

**Organization & Partnerships:** The Long Tom Watershed Council (LTWC, or "Council") is a 501(c)3 community-based, collaborative non-profit formed in 1998 with a 13-year track record of implementing projects and fostering stewardship behaviors. Our mission is to *improve water quality and watershed condition in the Long Tom River basin through education, coordination, consultation, and cooperation among all interests, using the collective wisdom and voluntary action of our community members*. Two key people will manage and implement the project: the Watershed Coordinator, and the Amazon Project Coordinator. Key partners are: Oregon Dept. of Agriculture (ODA), Oregon Dept. of Environmental Quality (ODEQ), City of Eugene, Upper Willamette Soil and Water Conservation District (SWCD), Sure Crop Farm Service, and Oregon State University Extension. **EPA funding Summary:** LTWC is not currently receiving and has not previously received funding for this project from EPA's Environmental Education Grant Program.

**Need, Goals, and Priorities:** The Amazon Creek Toxics Education & Action project is the education and training component of the Amazon Pesticide Stewardship Partnership (PSP), the first PSP in Oregon to include a major urban area as well as agriculture. The Amazon Creek flows into the Long Tom River and then the Willamette River in Oregon, one of 14 *American Heritage Rivers* designated by the EPA. This education program will leverage considerable current and planned investment in the PSP's water quality monitoring component. This project addresses the EPA educational priority *Community Projects*. Activities will cover the full continuum of environmental education, including awareness, knowledge, critical thinking, problem-solving, decision making, action and stewardship. This project addresses EPA environmental priority *Protecting America's Waters* by using new monitoring findings and existing best management practices (BMP) information to educate two major sectors – agricultural and urban – and reduce pesticides and other toxics in the creek. We seek to achieve both immediate change, long-term stewardship, and detectable water quality results in both short and long term. **Plan:** The approach is to 1) assemble mostly existing materials, 2) recruit people, 3) reach a diverse audience; 4) explain new data in relation to effects on water quality and train best practices; 5) engage audiences in identifying and implementing solutions; 6) build relationships between experts and practitioners; 7) design BMPs for key sites and audiences; 8) share results early and often; 9) use ongoing water monitoring to measure success and provide feedback to support water quality actions. **Delivery Methods:** This project uses presentations, trainings, field visits, site visits, and written and web-based materials to reach 5 target audiences, incorporating behavior change principles and techniques. **Audience demographics** are a result of a diverse urban and agricultural area fabric, with all ranges of income and education, as well as several different ethnic groups, although the area is predominantly white. It also includes retail staff, and business owners, who may have little exposure to BMP's. This is a total audience of at least 250 people. **Costs:** EPA funds will be used to pay for personnel time (mostly the Amazon Coordinator), education materials, and necessary travel and supplies, as well as some indirect costs if our indirect cost rate application is approved.

### Project Description

#### What

**EPA Priorities:** This project will address the EPA environmental priority *Protecting America's Waters* and the educational priority *Community Projects* because it utilizes new Amazon Creek data on over 100 pesticides and their degradates, as well as select urban area toxics<sup>1</sup>. This data will be used to encourage and track specific environmental stewardship actions, and a community-based approach will be utilized to deliver the trainings and build lasting

<sup>1</sup> Note: As the term is used here toxics are primarily the result of human activities, and capable of impairing the normal functioning of biological systems, even at low levels of exposure. Pesticides is a generic label encompassing a spectrum of (primarily) synthetic chemical products used to control a variety of nuisance organisms (weeds, moss, "bugs"). Degradates is the term for a pesticide's by-products as it breaks down.



participation and increased quality of decision making. This approach recognizes that people need to find information useful *and* trust the sources. In this project the trust comes from the collaboration among neighbors, businesses, farms, and the stakeholders on the watershed council. The information comes from the science via the agencies and universities, which the Council has a 13-year track-record of successfully facilitating. Further, this approach recognizes the important role of employees as the people implementing stewardship activities – this means directly educating the people using the pesticides in a professional environment, as well as some targeted work with people on purchasing decisions and using pesticides for home and garden use.

**Why we chose the pesticide issue:** In 2001 and again in 2005, the Long Tom Watershed Council decided priorities for each of 10 sub-watersheds in a year-long stakeholder process that included technical discussions, key stakeholder discussions, and general public presentations and feedback. The issue of toxics emerged as the highest priority and greatest suspected limiting factor for water quality and aquatic health in Amazon Creek, and its receiving waters, the Long Tom River and the Willamette River. (LTWC, 2005, 2009. *Conservation Strategy and Restoration Priorities*). The Council prioritized data gathering and education on this issue but were stalled due to expense. In 2007, the Oregon State Legislature funded a 3-year Willamette Basin Toxics Study, which greatly enhanced DEQ's laboratory capabilities and lowered sampling expense. The Council immediately began working to link to the Willamette study with possible monitoring for Amazon Creek, while also looking at DEQ's Pesticide Stewardship Partnership (PSP) program.

**Why this issue is important to our specific audience:** The Long Tom Watershed Council, and area stakeholders, have demonstrated a desire to be responsible in the selection and use of pesticides and other toxics. The Council has shown a consistent interest in the information and guidance to achieve that goal, and built partnerships to begin the work. Data from the Willamette River show that pesticides in streams are degrading water quality, while groundwater quality is not as degraded by pesticides as in other NACWA study units (USGS, 1998, *Water Quality in the Willamette Basin, Oregon, 1991-95*). This indicates there is a strong chance to do more cost-efficient prevention through education and best management practices with our attention on surface waters. In Amazon Creek, pesticides impair water conditions for human health and fish passage (EPA, 2006, *Waterbody Quality Report for Amazon Creek*).

In 2011, the Willamette Toxics Study report described a wide variety of pollutants that were measured at low but detectable concentrations in water samples. The most diverse number of pollutants was measured in water collected from an urbanized location. Herbicides were the most frequently detected class of pesticides measured in water samples. DEQ wants the data to help the agency and its partners implement successful toxics reduction strategies by taking measures to reduce levels of harmful pollutants in the environment, improve water quality and protect human health and aquatic ecosystems. (DEQ, 2010. *Watershed-based Toxics Monitoring Program. 2008 Progress Report: Willamette River Basin-final*).

In 2009 the Council held public and technical meetings to confirm this was still a priority for the community and to build the technical partnerships. DEQ was impressed by this interest, and thought the urban/agriculture mix of Amazon Creek would be an excellent PSP, and placed it as their highest priority. Due to the lack of state funding for PSPs, the Council and DEQ worked together to attract private investment in the program. Utilizing the DEQ's established *Quality Assurance Project Plan*<sup>2</sup> for water quality sampling in PSPs, we will strive for the best and most accurate acquisition of data for the Amazon Creek.

In 2011, Meyer Memorial Trust chose an Amazon Creek PSP as part of its *Willamette River Initiative*, and chose to provide some funding to the Council as the lead entity based on the Council's reputation and track record, in hopes this PSP will become a model for the rest of the Willamette Basin.

**Project goals:** The project seeks to use the availability of new monitoring data for Amazon Creek and the collaboration of a diverse set of committed stakeholders to achieve pesticide and stormwater literacy and better management practices among 5 target audiences in the urban and rural areas draining to the creek. We want to achieve appropriate levels of pesticides and other toxics in Amazon Creek via learning, voluntary action, and stewardship. Appropriate levels are those that meet aquatic life and human health standards or guidelines, or if

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<sup>2</sup> *Quality Assurance Project Plan: Water Quality – Pesticide Stewardship Partnerships*. DEQ-05-LAB-0022-QAPP. March, 3<sup>rd</sup> 2009. Masterson, K., Chris Redmond, Dennis Ades.



those are non-existent, levels that are reasonable given current scientific knowledge and the consideration that we don't yet understand their toxicity when combined. Project goals are:

1. Research and prepare education materials, mostly from existing programs' best management practices (BMPs) appropriate to the monitoring results.
2. Lay the educational foundation for environmental stewardship with regard to pesticides and other toxics in Amazon Creek and the Willamette River.
3. Reach a diverse audience of large urban property owners, pesticide applicators, agriculture growers, pesticide consultants, pesticide retailers and home & garden business owners, and select homeowners with knowledge, skills and practices that address the major sources of pesticide and toxics input.
4. Explain the new 2011 data and best practices for pesticides and other toxics in Amazon Creek in relation to effects and water quality criteria so that the target audiences understand the nature and extent of the problem, and what to do about it.
5. Engage urban and agricultural communities in identifying and implementing solutions.
6. Build, renew, and/or solidify the relationship between knowledge providers on the project team and the individual decision-makers so that providers are consulted for help when individuals are making crucial decisions on proper pesticide use and toxics pollution prevention.
7. Work with certain target audiences (large urban property owners, agriculture growers, select homeowners) to more closely affect change through individual work and site visits to educate people with key sites how to tailor BMP designs for their property.
8. Share results early and often. Communicate results to non-participatory members of target audience so that they can connect and learn at any time. Share the project's key messages, actions and results with a wider audience in the local area, and with other programs who may learn from our findings and approach.
9. Use ongoing effectiveness monitoring to measure success and provide feedback to support water quality actions, both in Amazon Creek and in the Willamette River. This Willamette monitoring is already planned by DEQ (DEQ, 2010).

**How the project will increase environmental stewardship:** The Council has a reputation of achieving voluntary learning and action among both the agricultural and urban communities. The ability of the Council to bring in *testimonials* from people who have changed a practice or done a project, and the specificity of the *local data* we can provide will create a relationship for people to the problem and a share in responsibility - key parts of stewardship. This project will increase the likelihood of environmental stewardship by moving through the stages of environmental education with the audiences, including providing feedback on some tangible results of their actions through the monitoring data. We seek to ensure the foundation of stewardship by gaining audience commitment, delivering the learning, helping with the subsequent decision making as necessary, and reporting results such that we can evaluate successes and next steps/more work to do with the same audience, as a community. In these ways, targeted individuals and organizations will increase the frequency with which they conduct their business and daily life in such a way as to minimize or eliminate pollution at its source. We will evaluate this work to ensure we are meeting these goals.

## Why

**The need for this project:** Last year, Amazon Creek was named the #1 priority in the state of Oregon for the next PSP due to its status as an impaired water body, its upstream location in the Willamette basin, its incorporation of a major urban area as well as major agriculture, and because of the readiness of the community and the abilities of the Council. Sources of pesticides include land application, overland flow, and soil disturbance in agriculture settings (Amazon basin has no significant forestry), and those same activities plus stormwater in urban settings. (DEQ, 2011, *Relationship of pollutants and their potential sources*). The community's interest has been demonstrated by the Pesticide Use Reporting System (PURS) data for this reporting region (Region 7) showing people wanting to make good decisions on pesticides but now knowing how to (ODA 2008, *PURS Report*). Please see also the section on audience need below.



- **Education is the missing link:** Data on levels of pesticides in Amazon Creek will only be useful if disseminated and acted upon. This education proposal is the other essential part of this project alongside the monitoring data.
- **The stewardship approach:** The diverse Program Committee and Advisors for the PSP program identified education, training and assistance to specific agricultural and urban decision-makers and the adoption of stewardship attitudes and best practices as the most helpful approach to reducing pesticide and toxic levels in the creek.
- **Partners are ready:** All the necessary implementing partners, as well as representative stakeholders, agree with the importance of the project and have committed time and expertise to help make it a success (please see letters of commitment).
- **Expertise and focus is available:** In 2010, the Oregon list of 118 priority persistent pollutants was finished in response to the 2007 state law (SB737) to create a widely accepted catalog of persistent, bioaccumulative, and toxic substances of concern in Oregon's surface water. Forty (40) of those are pesticides. At 34% of the list, pesticides are by far the largest category and they come largely from urban, residential, and agriculture uses. Additionally, for that project and beyond, a 10-person Interagency Toxics & Pesticides Team formed with representation from ODA, DEQ, Oregon Health Authority, and Oregon Dept of Forestry – 2 members are on the Amazon Program Committee.
- **We can show laboratory-based results:** This project has a commitment from the DEQ and Meyer Memorial Trust to continue partnering with the Council on the monitoring and capacity in order to provide results data after our education efforts are implemented - if they see us do those well. This education grant is the key to that effort.

## How

This project will use balanced, scientifically accurate, current and comprehensive materials and methods to teach about the new pesticide data for Amazon Creek, current best management practices (BMPs), and how to implement them in a variety of settings for 5 key urban and agricultural audiences. The *Project Team* is the LTWC staff and project partners, including those on the Program Committee but also other agency or university experts that wish to take part. The project team's composition offers a range of experts, almost "an expert for everyone", and thus can work with people from many backgrounds through the critical thinking, problem solving and decision making steps essential to taking action to replace or reduce their pesticide and toxics inputs to the creek. It's important to acknowledge the City of Eugene's valuable stormwater education program including the *Stormwater Connections* newsletter. Businesses do not appear to have responded much to this program, and from advisor input we suspect it is due to the program being information only, not paired with monitoring, and the City's role as a regulator of business in other scenarios. The LTWC Amazon Toxics Education and Action Program is designed to capitalize on the existing program's strengths and partnership and address the weaknesses – filling the action-orientation, trusted advisor, and paired monitoring gaps.

### Activities per Project Goal

**Goal 1. Assemble materials.** **Output:** Assemble 15-30 BMP Fact sheets, one per BMP or group of BMPs per source; include implementation case studies.<sup>3</sup> Create new, simple web page on existing LTWC website for this program and post or link to the BMP fact sheets and monitoring data; use EETAP guidelines for website content and structure as applicable. Update Amazon Creek Profile with value of creek, historical pictures, data. Incorporate the City's data and BMPs for other stormwater pollutants (nutrients, bacteria, organics and metals. Create Amazon Creek virtual tour in Google Earth to take advantage of Council's water quality data (map layers), project sites, and new toxics/pesticide data. **Sample list of BMPs for Audiences 1-5: Urban:** pervious pavements, reduced impervious area,

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<sup>3</sup> **Materials are from:** National Pesticide Information Center, many states, Pacific Northwest Weed & Insect Management Handbooks, OSU Extension, 2011. Label interpretation training by ODA. EPA (pollution prevention program), DEQ (5 lawn care fact sheets), City of Eugene (home & garden activities), Environmentally Responsible Landscape Services by EcoBiz Program (DEQ). **Other sources:** Stormwater BMP performance assessment & Cost-benefit analysis, Rain Garden BMP installation program for homes & businesses.



eco-roofs, roof gardens, contained planters, trees, infiltration planters and basins, rain gardens, grassy swales, vegetative swales, ponds, wetlands, structural filtration, Integrated Pest Management (IPM) IPM (City of Eugene, A Vision for Green Infrastructure, and EPA website). Agriculture: Application techniques (timing, rate, soil incorporation, etc), filter strips, buffer zones around even intermittent drainage areas, label interpretation, rotation, no-till, IPM, other herbicide specific BMPs.

**Goal 2. Recruit people.** Output: 8 Presentations to the 5 relevant Chamber of Commerce Committees (Latino Business Network, Joint Chamber Golf Committee, Women Business Leaders, Young Professionals Network, Greeters), 2 relevant Rotary Clubs and Seed League (3 member invitations required; 2 secured) (Audiences 1,3,5). Project mailer and fact sheet (All Audiences 1-5). Phone calls to invite participation from Audiences 1, 4, 5. Content: why this program exists, what learning and assistance we are offering, and as necessary or possible due to format, what pesticides are significant and why, and how they are used by each target audience.

**Goal 3. Reach a diverse audience.** Output: Through the activities listed for all other Goals, ensure a diverse audience is being educated.

**Goal 4. Explain new data and best practices.** Outputs: About 50 pollution prevention trainings tailored and delivered to the 5 target audience types. Audience 1: 3-5 Business-owner trainings, probably delivered over breakfast or lunch. Audience 2: Four 2-hour accredited training courses for commercial and public applicators - 1 each year in urban area (January 2012, 2013), and 1 each year in agriculture area. English-Spanish. Audience 3: Four 2-hour accredited training courses (worth Core credits) for private applicators/ growers - 2 each year. Audience 4: Two 3-hour advanced accredited training and discussion for pesticide consultants and dealers. Audience 5: 30 Individual or small group trainings for pesticide retailers' staff. 3-5 small group trainings for landscaping business owners who are not applicators themselves and don't need license credits. The findings from this work will be shared in summary with via e-Update (newsletter) or flyers with all the approximately 250 participants because everyone can implement homeowner BMPs.

**Goal 5. Engage audiences in identifying and implementing solutions.** Output: In the trainings (listed above for Goal #4), use training formats and techniques that will tie participant learning to behavior change by showing successful examples. For example, for Audiences 1, 3, and 5 use visual tools (e.g. Google Earth tour) to "fly through" portions of the creek basin and neighborhoods. Conduct 2-4 field trips as necessary to see BMPs (LTWC has multiple ways to borrow vans). Conduct careful workshop planning – schedule time for participants to get to know each other (community building) and workshop their ideas, and help build connections between people in the neighborhood. Use social-marketing techniques, e.g. peer-pressure in the neighborhood to encourage adoption of BMPs by celebrating successes, lawn signs advertising use of BMP (two existing programs for these), demo projects field trips for Aud#1 with invitations to Aud#5 as well.

**Goal 6. Build relationships between experts and practitioners.** Output: Take the time in workshops, presentations and materials to explain credibility and testimonials regarding the expert information being presented.

**Goal 7. Individual BMP education for key sites and audiences.** Output: Approximately 60 site visits as needed to a set of large urban and agriculture property owners with high probability of influence on the creek (Aud#1,3), including tailoring education and ideas for the site. Follow-up with landscape business owners (Aud#5 when Aud#1 are their clients).

**Goal 8. Share results early and often.** Output: Show early results from 2011-13 BMP work with late spring 2013 monitoring data\*. Produce 8-12 page Amazon Creek Pollution Prevention Report about Amazon Creek pesticide and toxics conditions, appropriate actions per sector (agriculture, urban, residential), and sub-sector (applicators, retailers, etc), as well as selected sampling of the most pertinent resources available on the web. Make report available by print and website. Two-page Executive Summary available as separate flyer. Produce a Lessons Learned Report Appendix for lessons in program design and implementation. Have it reviewed by the Program Committee and Advisors. Send to selected Oregon SWCDs and watershed councils recommended by the Project Committee, or all if none selected in particular. Create e-Update Newsletter or mailed flyers, series of presentations to the same 8 groups for in Goal 2, or different ones upon request (All Audiences). 17 press releases to local media outlets, and *The Oregonian*. Informally evaluate interest in 2 community conferences, 1 urban and 1 agriculture, to engage a broader community in the learning. Implement conferences if possible with funding leftover from trainings or match funding.



**Goal 9. Use ongoing monitoring to measure success and provide feedback to support water quality actions.**

Sign people up for the Council newsletter also. After this project, incorporate Amazon monitoring updates and BMP features into council newsletters at least annually.

## Who

**Audience:** There are 5 target audiences. They are currently at different knowledge levels – some informed, some just interested, some simply aware due to the “hot topic” status of pesticides and toxics. The number of individuals are specifically calculated for the Amazon Creek watershed area.

1. **15-45 large property owners** of large commercial operations, industrial parks, and golf courses. This audience does not have applicable point-source permits. They have staff or choose companies to do their property work. Their motivation is for the good of the creek, potential cost savings, civic leadership. They need knowledge and beautiful visual examples to set new and different expectations for a less toxics-intensive landscape and to be able to direct their workers to learn about alternatives and BMPs. In cases where a BMP involves a capital retrofit, the ideal would be for the business to take that on before they are required by City code due to new development or redevelopment as that can be 20-50 years out.
2. **71 licensed pesticide applicators:** 41 commercial, 30 public pesticide applicators. This audience needs recertification credits with training on BMPs that affect water quality. They have regular training on pesticide safety already.
3. **34 agricultural growers** who are also private pesticide applicators. This audience needs core recertification credits, and knowledge of BMPs that affect water quality. This audience needs fewer credits than others so we'll conduct core-credit certified trainings. We will conduct one workshop with only OSU Extension and LTWC (not government partners) in response to feedback regarding a preference for non-government trainers.
4. **19 licensed pesticide consultants and 6 licensed pesticide dealers** for agriculture. This audience needs recertification credits, and advanced-level training and discussion on individual pesticide reduction techniques. This audience likes to know the new information first.
5. **35 Pesticide retailers**, such as farm, home and garden supply stores. Included here are **landscaping company and pest control company owners**. This audience is *not* licensed; needs skills to assist their clients in making choices. We will offer training to the **350 Lane County Master Gardeners** in the same time period as this group as requested; some have pesticide training already so it will depend on their need at the time.

**Audience needs.** There were two significant findings from PURS data regarding the need for this project. 1). Agriculture represents 77% of the reported use and urban/general outdoor only 3%. The first number likely represents a very high reporting rate as this activity is licensed by the state and used by trained applicators. The figure for urban use is probably grossly understated – only 10% of households reported information and only 60% of their reports had identifiable data. One finding for household use stood out and points to the need for retailer education and homeowner focus groups to determine the best way to educate both parties to the purchase. First, the *stated use* for the household pesticides being purchased in our region are to kill insects (62% of the time), weeds (20%), and to control moss (1%). Yet the specialty of the active ingredient in the *actual purchases* was weeds (59%), moss (39%), and insects (1%). So in this case moss control products accounted for 39% of the pounds of active ingredient, but only 1% of the reports identified moss control as the purpose. This is especially unfortunate as moss control products contain higher percentages of active ingredients and typically have higher application rates than other types of products. Second, people reported having difficulty identifying pesticide products and there are continued concerns about purchasers being confused by labels. (ODA, 2008).

There may be other barriers to learning, and the partners will work to identify them before planning each set of trainings. A Spanish translator is provided for the Hispanic population in audience 2. This project addresses other potential barriers to learning such as time and complexity of the topic through personal recruitment and local data to make the issue more compelling and time-worthy, and expertise in giving these types of presentations to make them understandable and seem less complex. Lastly, the vast majority of our audiences are comprised of business people who have told us they prefer to learn from a non-government entity, uniquely positioning the Council as the preferred project lead.



**Incentives** are *cost-savings* as a result of BMP implementation for Audiences 1, 3; *re-licensure credits* for Audiences 2,3,4; and more knowledgeable sales reps and *satisfied customers* for Audience 5. Audience 5 could be encouraged to provide coupons to interested individuals who want alternative products.

**Recruitment Plan** includes presentations, project fact sheet mailers and individualized outreach (e.g. phone calls). Please see also Goal 2 in the "How" section. Use our committed business and agriculture partners and advisors to innovate for recruitment. For example, agriculture growers always like to hear speakers on "the next big thing". Both urban and agricultural interests can be attracted by programs that can improve their economic bottom line, and offers of free assistance toward that. Urban audiences tend to respond to real-time data in captivating visual formats, especially to establish our credentials for using the power of social marketing and peer-pressure to effect change.

**Project Uniqueness:** As the first PSP in Oregon to include a major urban area, this project is intended to be a model for the Willamette basin and elsewhere according to our private funding partner. It is designed to be transferrable. We intend to share its templates and lessons.

## Project Evaluation

LTWC is in the habit of conducting evaluations of our programs utilizing OSU Extension expertise - in implementation or in development of the tools. We will use observation, consultation, quantitative and qualitative measurement, and pre-and post-training questionnaires. We will conduct an assessment of participants' expectations, and experience. Incorporation of the feedback obtained from the training participants is provided as written summary to partners and built into the design of the next workshops. We have budgeted some time for expert development and review of our tools. Some examples, and the Project Goal they relate to, are included below.

**Observation:** At each training (Goal 3), observe substance and specificity of questions – is the audience thinking of applying BMPs. **Consultation:** Partners and advisors approve of the BMPs selected (Goal 1), the way they are presented, and quality of information. In the trainings (Goal 3), do the program staff and partners think all the key data has been presented? After trainings, partners review survey results, stats on attendance, and debrief the quality of audience participation. **Pre- and Post-Training Questionnaires:** For trainings (Goal 3), administer pre and post surveys to the audience, including questions to address less tangible goals such as trust (Goal 5). For example, the question: *Will you feel comfortable contacting (presenter name) if you have a question on this topic in the future? Do you think (s/he) would have some useful information for you?* Also include survey of knowledge (Goal 4) with engaging and fun true/false questions about pesticides, Amazon Creek, and BMPs. **Quantitative and Qualitative and Measurement:** In the logic model, there are outputs and outcomes that are measurable for which we have set achievement goals already. The partners will finish setting these if the project is funded. Here are some examples. For Goal 2: We have recruited 75% of each audience to participate in the trainings. For Goals 4-6, 75% of the training participants implement at least one BMP and sign up for the project newsletter. For Goal 4-7, what number and types of BMPs are implemented and are they visible/verified or not. For Goal 6, what number of follow-up contacts from participants are received by the project team from. Also, what is the nature of the questions, e.g. are they substantive such as how to choose a better product or BMP. For Goal 5, could the project team answer the questions satisfactorily or are people running into additional barriers we can't address. For Goal 7, did we achieve site visits and individual education with at least 50% of each of these audiences and did they produce BMP designs for at least 25%. Also, do 25% of the individuals plan to implement their BMPs within the first year of the site visit, and another 25% within the second year. Finally, for Goal 5, 8 and 9; have 90% of the participants told us they want to learn more about and help demonstrate actions and results.

**Program Debrief and Lessons Learned:** The partners will debrief the program annually using the outcome standards in the logic model and we'll incorporate the results into future work. Additionally, as part of our final report we will write a *lessons learned* component and share with partners so they can pass that on to other PSPs. We will also make ourselves available for 3-5 presentations on the program and how it went, as long as we have some capacity funding to allow that at the time of the request.



## Appendix A: Timeline

Sept - Oct 2011	<ul style="list-style-type: none"> <li>For each target audience or group of audiences, use project committee and other experts to review and select best program examples and BMPs. (<i>Goal 1</i>).</li> <li>Sept: Program Committee meeting.</li> <li>Oct: Prepare and send 1<sup>st</sup> e-Update.</li> </ul>
Nov - Dec 2011	<ul style="list-style-type: none"> <li>Ongoing: Prepare and assemble BMP programs (<i>Goal 1</i>).</li> <li>Give presentations to recruit participants (<i>Goal 2</i>).</li> <li>Dec: Program Committee meeting.</li> </ul>
Jan-Feb 2012	<ul style="list-style-type: none"> <li>Program Committee meeting.</li> <li>Jan: Accredited trainings held in urban area for pesticide consultants and dealers; pesticide applicators and agricultural growers (<i>Aud# 2,3,4</i>); pre- &amp; post-training evaluations (<i>Goal 3</i>).</li> <li>Jan: Prepare and send 2<sup>nd</sup> e-Update.</li> <li>Feb: Accredited training held in agricultural area for pesticide consultants and dealers; pesticide applicators and agricultural growers (<i>Aud#2,3,4</i>); pre- &amp; post-training evaluations (<i>Goal 3</i>).</li> <li>Feb: Advanced accredited training for pesticide applicators and agricultural growers (<i>Aud#2,3</i>); pre- &amp; post-training evaluations (<i>Goal 3</i>).</li> </ul>
Mar - Apr 2012	<ul style="list-style-type: none"> <li>Individual or small group trainings for pesticide retailers' staff (<i>Aud#5</i>); pre- &amp; post-training evaluations (<i>Goal 3</i>).</li> <li>Mar: Program Committee meeting.</li> <li>Apr: Prepare and send 3<sup>rd</sup> e-Update.</li> </ul>
May - Jun 2012	<ul style="list-style-type: none"> <li>Individual or small group trainings for pesticide retailers' staff and landscape business owners (<i>Aud#5</i>); pre- &amp; post-training evaluations (<i>Goal 3</i>).</li> <li>June: Program Committee meeting.</li> </ul>
Jul-Aug 2012	<ul style="list-style-type: none"> <li>Discussion trainings w/ large urban property owners (<i>Aud#1</i>); pre- &amp; post-training evaluations (<i>Goal 3</i>).</li> <li>July: Prepare and send 4<sup>th</sup> e-Update.</li> </ul>
Sept-Oct 2012	<ul style="list-style-type: none"> <li>Sept: Program Committee meeting.</li> <li>Oct: Prepare and send 5<sup>th</sup> e-Update.</li> </ul>
Nov-Dec 2012	<ul style="list-style-type: none"> <li>Discussion trainings w/ large urban property owners (<i>Aud#1</i>) and their landscape business owners (<i>Aud#5</i>); pre- &amp; post-training evaluations (<i>Goal 3</i>).</li> <li>Review first year of program with partners.</li> <li>Dec: Program Committee meeting.</li> </ul>
Jan-Feb 2013	<ul style="list-style-type: none"> <li>Jan: Accredited training held in urban area for pesticide consultants and dealers; pesticide applicators and agricultural growers (<i>Aud#2,3,4</i>); pre- &amp; post-training evaluations (<i>Goal 3</i>).</li> <li>Jan: Prepare and send 6<sup>th</sup> e-Update.</li> <li>Present new data.</li> <li>Feb: Accredited training held in agricultural area for pesticide consultants and dealers; pesticide applicators and agricultural growers (<i>Aud#2,3,4</i>); pre- &amp; post-training evaluations (<i>Goal 3</i>).</li> <li>Feb: Advanced accredited training for pesticide applicators and agricultural growers (<i>Aud#2,3</i>); pre- &amp; post-training evaluations (<i>Goal 3</i>).</li> </ul>

Mar - Apr 2013	<ul style="list-style-type: none"> <li>• Individual or small group trainings for pesticide retailers' staff (<i>Aud#5</i>); pre- &amp; post-training evaluations (<i>Goal 3</i>).</li> <li>• Mar: Program Committee meeting.</li> <li>• Apr: Prepare and send 7<sup>th</sup> e-Update.</li> </ul>
May - Jun 2013	<ul style="list-style-type: none"> <li>• Individual or small group trainings for pesticide retailers' staff and landscape business owners (<i>Aud#5</i>); pre- &amp; post-training evaluations (<i>Goal 3</i>).</li> <li>• June: Program Committee meeting.</li> </ul>
Jul - Aug 2013	<ul style="list-style-type: none"> <li>• Report &amp; Executive Summary preparation &amp; distribution.</li> <li>• Project wrap-up.</li> <li>• Review program with partners and seek feedback.</li> <li>• July: Prepare and send 8<sup>th</sup> e-Update.</li> </ul>





**Public Works  
Engineering**

City of Eugene  
99 E. Broadway, Suite 400  
Eugene, Oregon 97401  
(541) 682-5291  
(541) 682-5032 FAX

April 27, 2011

Sally Hanft  
U.S. EPA, Region 10  
Environmental Education  
Public Environmental Resource Center  
1200 Sixth Avenue, Suite 900 (ETPA-086)  
Seattle, WA 98101

Re: Letter of Commitment

Dear Ms. Hanft:

The City of Eugene is pleased to show our commitment to the Amazon Toxics Education & Action proposal from the Long Tom Watershed Council. The City of Eugene is the largest urban area within the Long Tom Watershed and shares many of the same goals with respect to the protection and restoration of water quality and natural resources habitat in our watershed. Eugene has been an active partner with the Council on projects and programs since the Council's first steering committee was formed in 1998.

We understand that the City of Eugene is an important partner for this project, especially in the urban area, and we can assist in educating local urban businesses and residents about pesticides found in Amazon Creek and best management practices to reduce those levels as appropriate based on monitoring findings.

We can commit the following to this project:

1. Provide direct assistance and consultation for 10 hours per quarter for the duration of the grant period (assumes 3 months/quarter for 2 years) to the Council's project team by serving on the Project Committee and providing information, ideas and contacts.
2. Make 2-3 presentations, offering City context, relevant program information, and expertise.
3. Provide expertise for 2-3 workshops for urban audiences.
4. Featured articles in the City's Stormwater Connections newsletter.

This is an approximate value of \$8,660.

Sincerely,

Therese Walch, P.E., CSM  
Water Resources Manager  
(541) 682-5549





April 29, 2011

Sally Hanft  
U.S. EPA, Region 10  
Environmental Education  
Public Environmental Resource Center  
1200 Sixth Avenue, Suite 900 (ETPA-086)  
Seattle, WA 98101

Re: Letter of Commitment

Dear Ms. Hanft:

The Oregon Departments of Environmental Quality (DEQ) and Agriculture (ODA) are working together as part of the Interagency Pesticide Management Team (PMT) to address pesticide-related water quality issues in Oregon. We are very committed to the Amazon Pesticide Stewardship Program, and the Amazon Toxics Education & Action proposal from the Long Tom Watershed Council. The PMT's primary focus is the prevention and/or reduction of pesticides in Oregon's water through awareness and the implementation of voluntary measures by education and outreach to influential stakeholder groups. Each of our agencies will assist in this project in the following ways:

1. 12 hours per quarter for the grant period in direct assistance and consultation to the Council's project team by serving on the Project Committee and providing information, ideas and contacts when asked.
2. Making 2-4 presentations to explain the data, talk about relevant programs, the implementation of any proposed reduction measures and share our expertise.
3. Provide expertise in the form of speakers for 4-6 targeted workshops and 2 community conferences for both agricultural and urban audiences

This is a commitment of approximately 184 hours. \$6,400 of the commitment can be considered non-federal match.

Sincerely,

Program Manager, Pesticides Division  
Oregon Department of Agriculture  
For Ray Jaendl  
Administrator, Pesticides and Natural Resources Divisions  
Oregon Department of Agriculture



April 27, 2011

Sally Hanft  
U.S. EPA, Region 10: Environmental Education  
Public Environmental Resource Center  
1200 Sixth Avenue, Suite 900 (ETPA-086)  
Seattle, WA 98101

Dear Ms. Hanft:

Sure Crop Farm Service and Huntons' Farm are committed to the Amazon Pesticide Education & Action project proposed by the Long Tom Watershed Council. Sure Crop Farm Service is one of the major chemical and pesticide dealers and applicators in the Amazon Creek basin as well as the Long Tom Watershed. Huntons' Farm raises grass seed, vegetable seeds, cereals and legumes on 2,700 acres on or near the Amazon and Long Tom as well.

I've provided non-customer specific sales records from Sure Crop to help the monitoring portion of the Amazon Pesticide Stewardship Program with the Council and other partners, and we stand ready to assist when the monitoring data comes in. We can help contact and educate local agriculture growers and applicators about pesticides found in Amazon Creek, and best management practices to reduce those levels as appropriate based on monitoring findings. We also can assist by explaining what some agriculture people do in response to the findings, so that urban and rural-residential stakeholders can see examples from every sector and are motivated to pitch in to solve whatever problems we find.

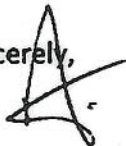
I can commit the following to this project:

1. 10 hours per quarter for the grant period in direct assistance and consultation to the Council's project team by serving on the Project Committee and providing information, ideas and contacts when asked.
2. Making 2-3 presentations at workshops of community conferences to help provide agriculture information, and share our expertise as requested by the project team.
3. Feature the LTWC's work on agricultural needs and benefits of water quality to our customer base.

This is an approximate value of \$4,160.

If you have any questions please let me know.

Sincerely,



Jason Hunton  
541-228-4585, [jasonh@surecrop.com](mailto:jasonh@surecrop.com)







**Upper Willamette Soil and Water Conservation District**

780 Bailey Hill Rd., Suite #5 - Eugene, OR 97402 - Tel: (541) 465-6443, Ext. 5 - FAX: (541) 465-6483  
email: upperwillamette.swcd@oacd.org

May 2, 2011

Sally Hanft  
U.S. EPA, Region 10  
Environmental Education  
Public Environmental Resource Center  
1200 Sixth Avenue, Suite 900 (ETPA-086)  
Seattle, WA 98101

RE: Letter of Commitment

Dear Ms. Hanft,

The Upper Willamette SWCD provides conservation technical services on a voluntary basis to individual agricultural landowners within the District's boundary which encompasses approximately two million acres of Eastern Lane County Oregon. We partner with other conservation oriented agencies and organizations to address non-point source issues involving water quality, soil health, crop health and wildlife habitat through education/outreach as well as by assisting landowners to implement conservation practices that will benefit not only individual landowners but overall watershed health.

I commit to participate and support the Long Tom Watershed Council's proposed work to educate local urban and agriculture businesses about pesticides found in Amazon Creek, and the best management practices to reduce those levels as appropriate based on monitoring findings.

I will commit to 10 hours per quarter for the grant period in order to: serve on the Project Guidance Committee, advise on farmer outreach, speak at the trainings hosted for farmers, provide guidance and information to the Amazon PSP Specialist. This is an approximate value of \$3,600.00 for the two years of the project.

Sincerely,

A handwritten signature in cursive script that reads "Dave Downing".

Dave Downing,  
Upper Willamette SWCD  
780 Bailey Hill Rd., Suite 5  
Eugene, OR 97402



**Environmental and Molecular Toxicology**  
Oregon State University, 1007 Agricultural and Life Sciences Bldg.  
Corvallis, Oregon 97331-7301  
T 541-737-3791 F 541-737-0479 <http://www.emt.orst.edu>



April 28, 2011

Sally Hanft  
U.S. EPA, Region 10  
Environmental Education  
Public Environmental Resource Center  
1200 Sixth Avenue, Suite 900 (ETPA-086)  
Seattle, WA 98101

Re: Letter of Commitment

Dear Ms. Hanft:

I am writing in support of the Amazon Pesticide Stewardship Program and the Amazon Toxics Education & Action proposal from the Long Tom Watershed Council.

As an Extension Specialist and Professor in the Department of Environmental and Molecular Toxicology at Oregon State University, in addition to outreach and teaching, I maintain an active research program in the areas of human health risk assessment, ecotoxicology, environmental chemistry, monitoring, and modeling. Collaborative research investigates impacts of chemical use on individuals, populations, and ecosystems.

Outreach activities include the development of pesticide risk assessment methodology, tools, and materials to communicate risks to the general public, stakeholders, and policy-makers. This effort includes university classes and workshops to lay and professional audiences, as well as adult continuing education. A primary goal is to translate scientific methods and findings to a broad and diverse audience. This outcome-driven approach strives to promote transparency and dialogue about risks associated with exposure to pesticides and other environmental agents and to improve use of risk information in individual decision-making and public policy. Duties include Principle Investigator for the National Pesticide Information Center ([npic.orst.edu](http://npic.orst.edu)), and Extension Toxicology Network ([extoxnet.orst.edu](http://extoxnet.orst.edu)) cooperator.

As the goals of the Amazon Pesticide Stewardship Program and the Long Tom Watershed Council are consistent with my Extension program, I look forward to participation in the proposed outreach activities.



I can commit the following toward the success of this project:

1. Provide 4 hours of my time per quarter for the grant period in direct assistance and consultation to the Council's project team by providing information, ideas and contacts when asked.
2. Give 2-3 presentations at the community conferences or workshops to share my expertise relating to pesticides and toxicology, including fate and transport modeling and working in urban areas.

This is an approximate value of \$2,880 (48hours at \$60/hr).

Sincerely,

A handwritten signature in black ink, appearing to read 'Jeffrey Jenkins', with a long horizontal flourish extending to the right.

Jeffrey Jenkins, Professor and Extension Specialist  
Department of Environmental and Molecular Toxicology  
Oregon State University



## Meyer Memorial Trust

425 NW Tenth Avenue  
Suite 400  
Portland, Oregon  
97209

503.228.5512  
[www.mmt.org](http://www.mmt.org)

February 2011

Ms. Dana Dedrick  
Executive Director  
Long Tom Watershed Council  
751 S. Danebo Avenue  
Eugene, OR 97402

**Grant No. 11010489**

Dear Ms. Dedrick:

Meyer Memorial Trust is pleased to enclose its first payment in the amount of \$40,000 as outlined in the letter of agreement. Please refer to the above number in all correspondence with this office.

If you have any questions regarding this payment, please do not hesitate to contact Eric Jones, program officer.

Sincerely,

Doug Stamm  
Chief Executive Officer

DS:po  
Enclosure

**Please note:** Our bank requires that endorsement information match the payee named on the check.





## **Meyer Memorial Trust**

425 NW 10<sup>th</sup> Avenue, Suite 400  
Portland OR 97209

### **GRANT AGREEMENT**

**Grant No. 11010489**

**GRANTEE:** Long Tom Watershed Council  
751 S. Danebo Avenue  
Eugene, OR 97402

**PURPOSE OF GRANT:** For the Amazon Creek Pesticide Stewardship Partnership

**AMOUNT OF GRANT:** \$70,000

**PERIOD OF GRANT:** Two years  
From February 1, 2011, to January 31, 2013

### **CONTINGENCIES**

Grant payments are contingent upon the grantee satisfactorily conducting the program as described in this agreement, except as modified with the express consent of the Trust.

Grant payments may be discontinued, modified, or withheld if, in the sole judgment of the Trust, this is necessary to comply with the requirements of law.

### **GRANT REQUIREMENTS**

1. This grant is made with the understanding that the entire amount will be expended for the purpose stated above and in the manner described in the materials you have provided to the Trust. Whether or not you maintain a separate bank account, this grant should be treated as a "restricted fund," and no part of it should be used for purposes other than those approved for this grant.
2. Trust approval must be obtained for any modification of the objectives, methods, budget, or timeline of the project for which grant funds have been awarded. A copy of the approved budget is appended.
3. The Trust should be promptly notified about any of the following:
  - a. Change in executive director and/or key personnel of the project or organization
  - b. Change in address, phone number, or e-mail address of organization and/or contact person
  - c. Change in name of organization
  - d. Change in project design, population served, project budget, or use of MMT funds
  - e. Reviews that could result in loss of accreditation or license
  - f. Audits with questioned costs or a qualified opinion
  - g. Other developments that significantly affect the operation of the project or the organization.



**Public Works  
Engineering**

City of Eugene  
99 E. Broadway, Suite 400  
Eugene, Oregon 97401  
(541) 682-5291  
(541) 682-5032 FAX

April 27, 2011

Sally Hanft  
U.S. EPA, Region 10  
Environmental Education  
Public Environmental Resource Center  
1200 Sixth Avenue, Suite 900 (ETPA-086)  
Seattle, WA 98101

Re: Letter of Commitment

Dear Ms. Hanft:

The City of Eugene is pleased to show our commitment to the Amazon Toxics Education & Action proposal from the Long Tom Watershed Council. The City of Eugene is the largest urban area within the Long Tom Watershed and shares many of the same goals with respect to the protection and restoration of water quality and natural resources habitat in our watershed. Eugene has been an active partner with the Council on projects and programs since the Council's first steering committee was formed in 1998.

We understand that the City of Eugene is an important partner for this project, especially in the urban area, and we can assist in educating local urban businesses and residents about pesticides found in Amazon Creek and best management practices to reduce those levels as appropriate based on monitoring findings.

We can commit the following to this project:

1. Provide direct assistance and consultation for 10 hours per quarter for the duration of the grant period (assumes 3 months/quarter for 2 years) to the Council's project team by serving on the Project Committee and providing information, ideas and contacts.
2. Make 2-3 presentations, offering City context, relevant program information, and expertise.
3. Provide expertise for 2-3 workshops for urban audiences.
4. Featured articles in the City's Stormwater Connections newsletter.

This is an approximate value of \$8,660.

Sincerely,

Therese Walch, P.E., CSM  
Water Resources Manager  
(541) 682-5549